# Bhola Shankar

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## EDUCATION

**Maharaja Agrasen Institute of Technology , Rohini, Delhi**  Aug 2022 - Jul 2025
*B.Tech in Information Technology*  GPA- 9.0
*Relevant coursework*: OOPs, DBMS, Data Structures and Algorithms, Operating Systems, Computer Networks, Advanced Java, Programming in Python, Web Development using MERN, PHP

**Guru Nanak Dev Institute of Technology , Rohini, Delhi**  Aug 2016 - Jul 2019
*Post Matric Diploma*  GPA- 8.0

## PROFESSIONAL EXPERIENCE

**IBM SkillBuild - Virtual**  June 2024 - Aug 2024
*Front-End Intern*
• Successfully completed a 6-week industry-aligned internship focused on Front-end Web Development .
• Built responsive UI components and worked on real-world web development tasks and collaborative learning projects.
• Gained hands-on experience with modern frontend practices and improved problem-solving and version control (Git/GitHub) skills.

**Flex Films Europe Ltd. - Wrzesnia, Poland**  Oct 2019 - May 2022
*Diploma Engineer Trainee*
• Coordinated with operations and control teams to ensure safe production.
• Gained hands-on experience in system workflows and team coordination.
• Learned structured reporting and SOP handling.

## PROJECTS

**AI-Powered Sign Language Learning & Testing Platform**  Jan 2025 - Mar 2025
• Integrated a trained CNN model with MediaPipe to recognize hand signs (A–Z, 1–9) in real-time using webcam input.
• Developed a Flask API for image preprocessing, gesture prediction, and serving responses in JSON format.
• Designed and built interactive front-end pages using the MERN stack.
• Enabled real-time visual feedback and pop-ups for performance assessment to enhance user engagement.
• Applied computer vision and AI to make sign language learning interactive, accessible, and user-friendly.
• *Tools Used*: Flask, YOLO, ReactJs, MongoDB, ExpressJs ,TensorFlow, PyTorch, Jupyter Notebook.

**Smart Online Food Ordering System**  Aug 2024 - Oct 2024
• Designed and developed a full-stack web application to streamline food ordering and improve restaurant-customer interaction.
• Implemented user authentication and role-based access for customers, delivery personnel, and admin.
• Developed key features including dynamic menu management, real-time order placement and tracking, order history, and invoice generation.
• Created a responsive UI with intuitive navigation using modern front-end practices.
• Applied CRUD operations with a connected backend database for order, user, and product management.
• Focused on user-friendly experience and scalability for real-world deployment.
• *Tools Used*: ReactJs, Spring Boot , MySQL, IntelliJ.

## SKILLS

**Programming Languages**: Python, Java, C, C++, JavaScript
**Frontend**: HTML, CSS, JavaScript, React.js, Tailwind CSS.
**Backend**: Node JS, Express JS, REST API and Authentication (JWT, OAuth, NextAuth).
**Databases**: MongoDB, Firebase,MySQL.
**Tools & Platforms**: Git, GitHub, Postman, VS Code, IntelliJ, React-Router, Redux,bcrypt,YOLO.

## EXTRA CURRICULAR AND CERTIFICATION

**Web Developer Course Completion Certificate** – Udemy
**Data Structures and Algorithms in Java** – Infosys Springboard
**Database and SQL** – Infosys Springboard
**Certificate of Appreciation** – Career and Development Cell
**Certificate of Participation** – Tech-A-Thon (TVA)
**LeetCode Problem Solving** – Solved 400+ DSA problems on LeetCode.